

Lifting Cage – The Factory

Laing O'Rourke are constantly driving safety in lifting via positive lifting operations; this has resulted in The Factory project Appointed Person designing a lifting cage with the assistance of the Select Plant Technical Team.

Why is this innovative?

Benefits

- To move ahead in the industry and drive for a culture change and move to positive lifting points when lifting to height, four post stillages, enclosed bins, waste skips, pallet forks with a cage and pallet cages are heading the lifting culture change, however materials with their varying lengths such as scaffold tube, reinforcement bar, pipe and drylining track have still posed an issue in how to lift to height via positive connections.
- The cage has a SWL of 3te with the cage itself weighing 660.0kg
- Length adjustable from 6.5m to 5.5m to 4.5m to 3.5m – each adjustable length allows lifting/lowering space from the end plate to the load
- The load weight distribution will always be central to the 4 lifting points. The Pad Eye Lifting Points are positioned turned in to give a straight lift on the accessories to the crane hook block and not twist the shackle and cause lateral loading
- Will accommodate materials lengths such as scaffold tubes, reinforcement bar, pipe, partitioning head track etc. in individual bundles
- The adjustable end plate is secured via a 2-action tethering pin
- Loads are secured using 2 x 2m x 35mm ratchet and straps
- Lifting trials included lifting the cage on 2 lifting points to vertical in order to prove the load would not be lost in the event of a catastrophic failure in losing 2 lifting connections
- The cage can also accommodate a rescue stretcher
- The cage is forklift friendly with positioned fork sleeves on the base
- The cage has 4 feet on the bottom bracing with 4 spacers directly above on the top bracing to allow stacking of multiple cages
- The cage has a DOC and falls within LOLER

